



Atty. Docket No. 1596C4		Serial No. 09/620,525
Applicant: BRUCE E. NOVICH, ET AL.		
Filing Date JULY 20, 2000		Group Art Unit 1771 1774

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	2,740,239	04/03/56	Ball et al.	51	185
	AB	2,793,478	05/28/57	Rohowetz et al.	51	188
	AC	2,797,469	07/02/57	Kahn et al.	28	80
	AD	3,146,560	09/01/64	Hurst et al.	51	188
	AE	3,312,569	04/04/67	Philipps et al.	117	126
	AF	3,556,448	01/19/71	Dobbs	248	119
	AG	3,586,063	06/22/71	Bell, Jr. et al.	139	425
	AH	3,664,855	05/23/72	Morrison et al.	106	212
	AI	3,688,453	09/05/72	Legacy et al.	51	400
	AJ	3,700,538	10/24/72	Kennedy	161	93
	AK	3,709,721	01/09/73	King	117	104

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	Document No.	Date	Country	Class	Subclass	Translation	
						Yes	No
AL	1222950 A	06-09-89	Japan	B32B	17/04		x
AM	02160944	20-06-90	Japan	B32B	17/04		x
AN	1-249333	04-10-89	Japan			x	
AO	3-115332	16-05-91	Japan	C08J	05/24	x	
AP	2251651 A	09-10-90	Japan	C08J	05/04		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	K. Loewenstein, The Manufacturing Technology of Glass Fibers, (3d Ed. 1993) at pp.30-44, 115-122, 126-135, 237-291
AS	Encyclopedia of Polymer Science and Technology, Vol. 6 (1967) at pp. 505-712
AT	R. Lewis, Sr., Hawley's Condensed Chemical Dictionary, (12th Ed. 1993) at pp.609-610, 1075, 461, 425, 331, 793, 1113, 782-784, 305, 164, 141, 712, 435, 795.

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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> <p>SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)</p>	10/02



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 1771/1724

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	3,919,028	11/11/75	Lewis et al.	156	148	
	AB	3,928,666	12/23/75	Morrison et al.	428	378	
	AC	4,009,317	02/22/77	Chase et al.	428	378	
	AD	4,118,528	10/03/78	Lowry	428	65	
	AE	4,168,345	09/18/79	de Massey et al.	428	441	
	AF	4,228,514	10/14/80	Weiss	364	551	
	AG	4,247,364	01/27/81	Culp	162	136	
	AH	4,370,157	01/25/83	Barch et al.	65	3.43	
	AI	4,372,347	02/08/83	Olson	139	420	
	AJ	4,379,798	04/12/83	Palmer et al.	428	113	
	AK	4,383,785	05/17/83	Rice	409	131	

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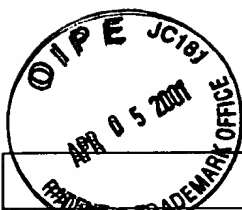
		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL	3214685 A	19-09-91	Japan	B32B	15/08		x
	AM	3212987 A	18-09-91	Japan	B32B	15/08		x
	AN	455437	24-02-92	Japan	C08J	05/24	x	
	AO	Hei4-2857	07-01-92	Japan	D06B	19/00	x	
	AP	4255288	10-09-92	Japan	H05K	01/03		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	F. Clauss, Solid Lubricants and Self-Lubricating Solids, (1972) at pp. 1, 19-22, 42-54, 75-77, 80-81, 82, 90-102, 113-120, 128
AS	K. Ludema, Friction, Wear, Lubrication, A Textbook in Tribology (1996) at pp. 129, 125, 27.
AT	R. Weast (Ed.), Handbook of Chemistry and Physics, CRC Press (1975) at pp. F-22.

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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



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U.S. PATENT DOCUMENTS

AA	4,390,647	06/28/83	Girgis	523	212	
AB	4,396,676	08/02/83	Brannon et al.	17	04	
AC	4,514,466	04/30/85	Leon et al.	428	383	
AD	4,530,876	07/23/85	Brodmann et al.	428	283	
AE	4,532,054	07/30/85	Johnson	252	12.4	
AF	4,532,176	07/30/85	Briggs et al.	428	288	
AG	4,579,772	04/01/86	Bhatt et al.	428	229	
AH	4,605,588	08/12/86	Simpson et al.	428	288	
AI	4,615,933	10/07/86	Traut	428	252	
AJ	4,642,271	02/10/87	Rice	428	698	
AK	4,643,936	02/17/87	Eidal	428	214	

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						Yes	No
AL	4125140 A	24-04-92	Japan	B32B	15/08		x
AM	4366628 A	18-12-92	Japan	B32B	05/28		x
AN	Hei4-307787	07-01-97	Japan	H05K	01/03	x	
AO	Hei5-493	08-01-93	Japan	B32B	27/38	x	
AP	4367763 A	21-12-92	Japan	B05D	01/06		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	W. Campbell, "Solid Lubricants," Boundary Lubrication; An Appraisal of World Literature, ASME Research Committee on Lubrication (1969) at pp. 197-203
AS	"PolarTherm® Thermally Conductive Fillers for Polymeric Materials", a Technical Bulletin of Advanced Ceramics Corp. of Lakewood, Ohio (1996)
AT	H. Katz et al. (Ed.), Handbook of Fillers and Plastics, "2. Principles of Filler Selection and Use" by T.H. Ferrigno (1987) at pp. 8-10, 28.

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	AA	4,713,285	12/15/87	Klein	428	283	
	AB	4,750,806	06/14/88	Biswas	350	96.30	
	AC	4,752,527	06/21/88	Sanzero et al	428	391	
	AD	4,762,750	08/09/88	Girgis et al	428	378	
	AE	4,762,751	08/09/88	Girgis et al	428	378	
	AF	4,781,495	11/01/88	Hatch et al	408	1 R	
	AG	4,789,593	12/06/88	Das	428	391	
	AH	4,795,678	01/03/89	Girgis	428	391	
	AI	4,806,416	02/21/89	Puzo	428	285	
	AJ	4,820,575	04/11/89	Kolzer	428	240	
	AK	4,826,365	05/02/89	White	408	144	

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	AL	Hei5-110218	30-04-93	Japan	H05K	01/03	x	
	AM	Hei5-78945	30-03-93	Japan	D03D	01/00	x	
	AN	5261870 A	12-10-93	Japan	B32B	27/02		x
	AO	5261855 A	12-10-93	Japan	B32B	15/08		x
	AP	5286093 A	02-11-93	Japan	B32B	27/20		x

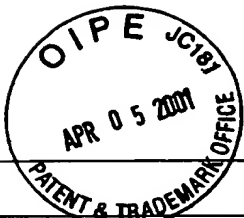
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	AR	" ORPAC BORON NITRIDE RELEASECOAT-CONC" , a technical bulletin of ZYP Coatings, Inc.
	AS	ASTM Designation: C-177-85 Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus1 (1993)
	AT	T. Perros, Chemistry, (1967) at pp. 186-187

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Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
<i>[Handwritten mark]</i>	AA	4,858,479	08/22/89	Voss et al	73	865.9	
<i>[Handwritten mark]</i>	AB	4,863,787	09/05/89	Gawin	428	240	
<i>[Handwritten mark]</i>	AC	4,869,954	09/26/89	Squitieri	428	283	
<i>[Handwritten mark]</i>	AD	4,872,787	10/10/89	Arai et al	408	1 R	
<i>[Handwritten mark]</i>	AE	4,894,105	01/16/90	Dyksterhouse et al	156	181	
<i>[Handwritten mark]</i>	AF	4,913,740	04/03/90	Frederickson	106	1.11	
<i>[Handwritten mark]</i>	AG	4,917,547	04/17/90	Frederickson et al	408	136	
<i>[Handwritten mark]</i>	AH	4,919,866	04/24/90	Kubbutat	264	45.3	
<i>[Handwritten mark]</i>	AI	4,929,370	05/29/90	Hatch et al	252	12.2	
<i>[Handwritten mark]</i>	AJ	4,933,381	06/12/90	Hager	523	414	
<i>[Handwritten mark]</i>	AK	4,935,294	06/19/90	Misevich et al	422	246	

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		Document No.	Date	Country	Class	Subclass	Translation Yes No	
<i>[Handwritten mark]</i>	AL	6112611 A	22-04-94	Japan	H05K	01/03		x
<i>[Handwritten mark]</i>	AM	6302926 A	28-10-94	Japan	H05K	01/03		x
<i>[Handwritten mark]</i>	AN	6305078 A	01-11-94	Japan	B32B	18/00		x
<i>[Handwritten mark]</i>	AO	Hei5-174623	13-07-93	Japan	H01B	03/00	x	
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<i>[Handwritten mark]</i>	AR	J. Mitchell, Fundamentals of Soil Behavior, (1976) at pp. 32-34
<i>[Handwritten mark]</i>	AS	H. Van Olphen, Clay Colloid Chemistry, (2d Ed. 1977) at pp. 57-63
<i>[Handwritten mark]</i>	AT	Minerals in Soil Environments, Soil Science Society of America (1977) at pp. 196-199

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		Filing Date JULY 20, 2000	Group Art Unit 1771 / 778

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	4,943,606	07/24/90	Inoue et al	523	457	
	AB	4,948,662	08/14/90	Simpson et al	428	288	
	AC	4,960,634	10/02/90	Boyko et al	428	220	
	AD	4,971,779	11/20/90	Paine et al	423	290	
	AE	4,980,217	12/25/90	Grundfest et al	428	113	
	AF	4,997,702	03/05/91	Gazit et al	428	283	
	AG	5,038,555	08/13/91	Wu et al	57	249	
	AH	5,005,978	04/09/91	Skunes et al	356	372	
	AI	5,011,870	04/30/91	Peterson	523	220	
	AJ	5,025,045	06/18/91	Gawin et al	523	440	
	AK	5,028,984	07/02/91	Ameen et al	357	72	

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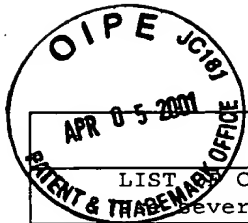
		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL	7069683 A	14-03-95	Japan	C03C	25/00		x
	AM	7176843 A	14-07-95	Japan	H05K	01/03		x
	AN	Hei7-179055	24-10-95	Japan	D06M	15/333	x	
	AO	8118542 A	14-05-96	Japan	B32B	15/08		x
	AP	8309928 A	26-11-96	Japan	B29C	70/06		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	R. Evans, An Introduction to Crystal Chemistry, (1948) at pp. 275-276
	AS	Electronic Materials Handbook™, Vol. 1 Packaging ASM International (1989) at pp. 534-537, 113-115.
	AT	Webster New Collegiate Dictionary, (1977) at pp. 1178

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	AA	5,047,279	09/10/91	Nasu et al	428	156	
	AB	5,047,281	09/10/91	Betz et al	428	201	
	AC	5,067,859	11/26/91	Korbonski	408	1 R	
	AD	5,082,402	01/21/92	Gaku et al	408	1 R	
	AE	5,126,532	06/30/92	Inagawa et al	219	121	
	AF	5,132,254	07/21/92	Stempin et al	501	32	
	AG	5,151,146	09/29/92	Green	156	177	
	AH	5,188,757	02/23/93	Paine, Jr. et al	252	183.11	
	AI	5,204,295	04/20/93	Paine, Jr. et al	501	96	
	AJ	5,217,796	06/08/93	Kasai et al	428	229	
	AK	5,219,656	06/15/93	Klett et al	428	378	

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	AL	9003217 A	07-01-97	Japan	C08J	05/24		x
	AM	9118759 A	06-05-97	Japan	B29B	11/16		x
	AN	Hei9-3770	07-01-97	Japan	D06M	13/513	x	
	AO	Hei9-209233	12-08-97	Japan	D03D	01/00	x	
	AP	9270584 A	14-10-97	Japan	H05K	03/46	x	

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AR	R. Tummalas (Ed.), Microelectronics Packaging Handbook, 1989 at pp. 895-897, 905, 906, 36, 37, 3, 174
AS	I. Rubin, Handbook of Plastic Materials and Technology, (1990) at pp. 955-1062, 1179-1215 and 1225-1271.
AT	R. Weast (Ed.), CRC Handbook of Chemistry and Physics, CRC Press (71st Ed. 1990) at pp. 4-158, 12-63

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U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	5,230,951	07/27/93	Birchall et al	428	292	
	AB	5,236,777	08/17/93	Inoguchi et al	428	268	
	AC	5,246,746	09/21/93	Michalski et al	427	593	
	AD	5,275,883	01/04/94	Leone et al	428	373	
	AE	5,281,441	01/25/94	Kasai et al	427	300	
	AF	5,284,807	02/08/94	Komori et al	501	35	
	AG	5,286,562	02/15/94	Girgis	428	391	
	AH	5,324,766	06/28/94	Ikejiri et al	524	433	
	AI	5,326,410	07/05/94	Boyles	156	71	
	AJ	5,336,024	08/09/94	Nakagawa et al	408	1 R	
	AK	5,354,602	10/11/94	Stranford et al	428	220	

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	AL	Hei9-308809	02-12-97	Japan	B01D	46/00	x	
	AM	10338758 A	22-12-98	Japan	C08J	05/24	x	
	AN	11269752 A	05-10-99	Japan	D04H	01/64		x
	AO	Hei11286073	19-10-99	Japan	B32B	17/04	x	
	AP	10146916 A	02-06-98	Japan	B32B	17/04		x

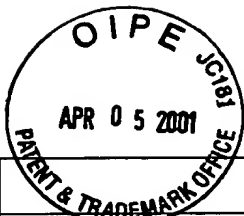
OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	ASTM Designation: C-518-91 Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus1
AS	G. Slack, "Nonmetallic Crystals with High Thermal Conductivity", J. Phys. Chem. Solids (1973) Vol. 34, pp. 321-335
AT	A. Weimer (Ed.), Carbide, Nitride and Boride Materials Synthesis and Processing, (1997) at pp. 654, 653

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	AA	5,358,741	10/25/94	Gat	427	249	
	AB	5,364,657	11/15/94	Throne	427	185	
	AC	5,370,911	12/06/94	Throne et al	427	469	
	AD	5,412,003	05/02/95	Akiyama et al	523	513	
	AE	5,418,194	05/23/95	Dawes et al	501	52	
	AF	5,427,986	06/27/95	Chyung et al	501	92	
	AG	5,431,995	07/11/95	Narita et al	428	287	
	AH	5,435,671	07/25/95	Weinreich	408	1 R	
	AI	5,449,480	09/12/95	Kuriya et al	264	112	
	AJ	5,507,603	04/16/96	Nakano et al	408	1 R	
	AK	5,507,962	04/16/96	Jahanmir et al	252	49.3	

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		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL	WO9714280A	17-04-97	PCT	H05K	01/03		x
	AM	WO90/01860	22-02-90	PCT	H05K	01/03		x
	AN	WO97/35457	25-09-97	PCT	H05K	01/03	x	
	AO	WO96/39364	12-12-96	PCT	C03C	25/02	x	
	AP	2072121 C1	26-07-91	Russia	H05K	03/00	x	

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AR	W. Callister, Materials Science and Engineering An Introduction, (2d Ed. 1991) at pp.637, 662
AS	"WebElements" http:// www.shef.ac.uk/~chem/web-elents/nofr-image-1/hardness-minerals-1.html (February 26, 1998)
AT	"BRAZE STOP-OFF PAINT" ZYP COATINGS, Inc. technical bulletin

Examiner	Date Considered 10/22
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Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	5,508,096	04/16/96	Van Skyhawk	428	251	
	AB	5,520,999	05/28/96	Van Skyhawk	428	251	
	AC	5,541,238	07/30/96	Yamada et al	523	200	
	AD	5,552,215	09/03/96	Tredway et al	428	298	
	AE	5,562,966	10/08/96	Clarke et al	428	113	
	AF	5,591,789	01/07/97	Iruvanti et al	523	515	
	AG	5,593,767	01/14/97	Noda et al	428	251	
	AH	5,599,144	02/04/97	Bickham et al	408	144	
	AI	5,672,297	09/30/97	Soane	252	511	
	AJ	5,674,351	10/07/97	Lovoi	156	629	
	AK	5,677,045	10/14/97	Nagai et al	428	260	

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		Document No.	Date	Country	Class	Subclass	Translation Yes No	
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	AM	29609017 U	29-08-96	Germany	B23B	51/02		x
	AN	CH670105A5	12-05-89	Switzerland	C23C	18/12	x	
	AO	0468476A2	29-01-92	EP	B32B	15/14	x	
	AP	8-119682	14-05-96	Japan	C03C	25/02	x	

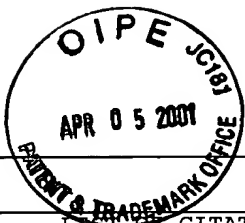
OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	" BORON NITRIDE LUBRICOAT®" ZYP Coatings, Inc. technical bulletin
	AS	" WELD SPATTER RELEASE" ZYP Coatings, Inc. technical bulletin
	AT	" BORON NITRIDE LUBRICOAT®-BNW" , ZYP Coatings, Inc. technical bulletin

Examiner	Date Considered 10/02
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 0771/1728

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
AA	5,690,715	11/25/97	Schiwek	65	448	
AB	5,690,837	11/25/97	Nakaso et al	216	17	
AC	5,719,090	02/17/98	Appelt et al	442	19	
AD	5,756,405	05/26/98	Appelt et al	442	19	
AE	5,759,924	06/02/98	Sahlin	442	60	
AF	5,800,874	09/01/98	Appelt et al	427	412	
AG	5,853,809	12/29/98	Campbell et al	427	407.1	
AH	5,858,461	01/12/99	Appelt et al	427	217	
AI	5,866,253	02/02/99	Phillipps et al	428	374	
AJ	5,869,173	02/09/99	Zheng et al	428	313.3	
AK	5,871,819	02/16/99	Appelt et al	427	381	

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Document No.	Date	Country	Class	Subclass	Translation Yes	Translation No
AL 2503766 A	15-10-82	France	E04B	01/78		x
AM 1203247 A2	16-08-89	Japan	C03C	25/02		x
AN Hei9241397	16-09-97	Japan	C08J	05/04	x	
AO 9-208268	12-08-97	Japan	C03C	25/02	x	
AP 60209072 A	21-10-85	Japan	C03C	25/02		x

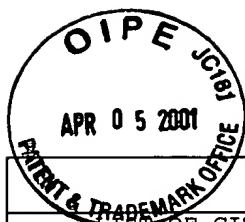
OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	" New Lubricating Materials Halves Friction" , Inside R&D/Copyright (June 25, 1997) at pp. 1-2
AS	" Hollow Nanoparticles Excel in Lubrication" , C&EN (June 23, 1997) at pp. 9-10
AT	J. Halling, Principles of Tribology, (1975) at pp. 134-139

Examiner	Date Considered 10/02
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 111/727

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
AA	5,874,009	02/23/99	Yoshiyuki et al	216	20	
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AC	5,888,036	03/30/99	Arai et al	408	230	
AD	5,888,627	03/30/99	Nakatani	428	209	
AE	5,907,106	05/25/99	Segar	73	862.338	
AF	5,910,255	06/08/99	Noddin	216	18	
AG	5,935,452	08/10/99	Inada et al	216	20	
AH	5,940,787	08/17/99	Gelston	702	134	
AI	5,984,523	11/16/99	Houser et al	374	31	
AJ	5,998,237	12/07/99	Conrod et al	438	106	
AK	6,000,886	12/14/99	Washio et al	408	1 R	

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AL 7-102483	18-04-95	Japan	D06M	15/356	x	
AM 8-325950	10-12-96	Japan	D06M	15/55	x	
AN 09087992 A	31-03-97	Japan	D21H	13/44		x
AO 6248572 A	06-09-94	Japan	D06M	11/79		x
AP 9291474 A	11-11-97	Japan	D06M	11/49		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	J. Fernando et al., "Effect of Boron Nitride Coating on the Tensile Strength of Nextel 480™ Fiber", Materials Science and Engineering A154 (1992) 103-108
AS	R. Singh et al., "Effect of Boron Nitride Coating on Fiber-Matrix Interactions", Advanced Ceramic Materials, Vol. 3, No. 3 (1988) 235-237
AT	E. Einset et al., "Processing Conditions for Boron Nitride Coatings in Fiber bundles via Chemical Vapor Disposition", J. Am. Ceram Society, 77 [12] (1994) 3081-3086

Examiner	Date Considered 10/02
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 1771 1724

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
<i>[Signature]</i>	AA	6,060,150	05/09/00	Nakatani et al	428	209	
<i>[Signature]</i>	AB	6,117,516	09/12/00	Nakata	428	96	
<i>[Signature]</i>	AC	6,124,220	09/26/00	Nakata et al	442	175	
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<i>[Signature]</i>	AL	9-268034	14-10-97	Japan	C03C	25/02	x	
	AM	859400 B	30-08-81	Russia	C08L	61/10		x
	AN	53-143582	14-12-78	Japan	A01K	87/00	x	
	AO	8012380 A	16-01-96	Japan	C03C	25/02		x
<i>[Signature]</i>	AP	59-47479 A	17-03-84	Japan	D06M	15/00		x

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	AR	S. Campbell et al., " In-situ Formation of Boron Nitride Interfaces on Nextel 312™ Continuous Ceramic Fiber I: Nitriding Process and Blackglas™ Ceramic Matrix Composite Properties" Allied Signal pp. 327-336
<i>[Signature]</i>	AS	Shen et al., " Characterization of Dip Coated Boron Nitride on Silicon Carbide Fibers" , J. Am. Ceram Society, 77 [4] 1011-1016 (1994).
<i>[Signature]</i>	AT	J. Brennan, " Interfaces in BN Coated Fiber Reinforced Glass-Ceramic Matrix Composites" , 31 Scripta Metallurgica et Materialia, No. 8 (1994) pp. 959-964.

Examiner <i>[Signature]</i>	Date Considered 10/22
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



	Atty. Docket No. 1596C3	Serial No. 09/620,526
LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Applicant: BRUCE E. NOVICH, ET AL.	
	Filing Date JULY 20, 2000	Group Art Unit 1771 1778

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
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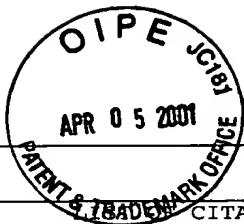
OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	D. Cranmer, "Fiber Coating and Characterization", 68 Ceramic Bulletin, No. 2 (1989) pp. 415-419.
	AS	Kirk-Othmer ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, 2d Ed., 1967, Vol. 12, pp. 588-596
	AT	R. Weast (Ed), HANDBOOK OF CHEMISTRY AND PHYSICS, CRC Press 1975, pp. 12-54, F-166, D-171.

Examiner	Date Considered 10/02
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
CITATIONS BY APPLICANT (Use several sheets if necessary)	
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 1771 1724

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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Kirk-Othmer ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, 2d Ed, 1964, Vol. 3, pp. 678-679
AS	Kirk-Othmer ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, 2d Ed., 1964, Vol. 4, pp. 158-162, 203, 217, 304-307, 330-331
AT	Sulzer Ruti L5000 Product Bulletin

Examiner	Date Considered 10/02
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 1771 1774

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
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FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translation Yes	Translation No
AL						
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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Sulzer Ruti L5200 Air-Jet Weaving Machine Product Bulletin
AS	IPC-EG-140 " Specification for Finished Fabric Woven from " E" Glass for Printed Boards, page 1, publication of THE INSTITUTE FOR INTERCONNECTING AND PACKAGING ELECTRONIC CIRCUITS (June 1997).
AT	IPC-TM-650 Test Methods Manual, THE INSTITUTE FOR INTERCONNECTING AND PACKAGING ELECTRONIC CIRCUITS (Dec. 1994).

Examiner	Date Considered 10/82
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



	Atty. Docket No. 1596C3	Serial No. 09/620,526
LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Applicant: BRUCE E. NOVICH, ET AL.	
	Filing Date JULY 20, 2000	Group Art Unit 4771-1724

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	" Fabrics Around the World" , Technical Bulletin of Clark-Schwebel, Inc. (1995)
AS	MICROELECTRONICS PACKAGING HANDBOOK, R. Tummala et al. (Ed.) (1989) at pp. 25-43, 174, 858-861, and 885-909.
AT	PRINTED CIRCUITS HANDBOOK, C. Coombs Jr., 3d Ed. by Hewlett-Packard Company, pp. 6.1-6.14.

Examiner <i>[Signature]</i>	Date Considered 10/22
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



	Atty. Docket No. 1596C3	Serial No. 09/620,526
LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Applicant: BRUCE E. NOVICH, ET AL.	
	Filing Date JULY 20, 2000	Group Art Unit 1771

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	" Silane Coupling Agents by E. P. Plueddemann of Dow Corning Corporation (1982), pp. 146-147.
AS	IPC-4101 " Specification for Base Materials for Rigid and Multilayerf Printed Boards" (Dec. 1997)
AT	K. Loewenstein, The Manufacturing Technology of Glass Fibers, (3d Ed. 1993) at pp. 25, 27 and 47-60.

Examiner	Date Considered 10/22
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



	Atty. Docket No. 1596C3	Serial No. 09/620,526
LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Applicant: BRUCE E. NOVICH, ET AL.	
	Filing Date JULY 20, 2000	Group Art Unit 1771 1724

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	DATABASE INSPEC Institute of Electrical Engineers, Insp No. 6242125, Bruce Novich entitled "Hybon RCY Yarns: A Laminate Reinforcement Developed for Printed Circuit Boards, CircuiTree, March 1999, Vol 12, No. 3, Page 44, 46, 51
AS	Patent Abstracts of Japan, Vol. 14, No. 423, Sept. 1990, Pub. No. 02160944, Pub. Date 06/1990 entitled "Printed Circuit Board and Fabric Therefor".
AT	USSN 09/620,526 entitled "Impregnated Glass Fiber Strands and Products Including the Same", Ernest L. Lawton et al, filed July 20, 2000 (Atty Docket No. 1596C3)

Examiner	Date Considered
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SUBSTITUTE DISCLOSURE STATEMENT FORM (PTO 1449)



Atty. Docket No. 1596C3	Serial No. 09/620,526
Applicant: BRUCE E. NOVICH, ET AL.	
Filing Date JULY 20, 2000	Group Art Unit 1771 / 1774

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
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FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translation Yes	No
AL						
AM						
AN						
AO						
AP						

OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	USSN 09/620,523 entitled "Impregnated Glass Fiber Strands and Products Including the Same", Ernest L. Lawton et al, filed July 20, 2000 (Atty Docket No. 1596C5)
AS	USSN 09/620,524 entitled "Impregnated Glass Fiber Strands and Products Including the Same", Ernest L. Lawton et al, filed November 3, 2000 (Atty Docket No. 1596C6)
AT	

Examiner	Date Considered 10/82
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